Opportunity Title: Public Health Systems: Software Engineer Internship Opportunity - Bachelor's Degree
Opportunity Reference Code: NMCPHC-2022-0002

Organization	U.S. Department of Defense (DOD)
Reference Code	NMCPHC-2022-0002
How to Apply	Click on *Apply* now to start your application.

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Description The Navy and Marine Corps Public Health Center (NMCPHC) ensures Navy and Marine Corps Readiness through leadership in prevention of disease and promotion of health. Through the ORISE program, the NMCPHC provides opportunities to participate in on-going applied research and development projects in the areas of Environmental Health, Engineering, Biological Sciences, Public Health, Occupational and Environmental Health, Industrial Hygiene, Environmental Sanitation and Hygiene, and Laboratory Services.

What will I be doing?

Under the guidance of a software engineering mentor, you will:

- Conduct public health related data mining and collection.
- Develop applications and data collection solutions in support of clinical epidemiology, infectious disease, behavioral health, occupational and environmental epidemiology and injury and healthcare epidemiology.
- Web and desktop based application and solution development utilizing C#, HTML, XML, JavaScript, CSS, and/or T-SQL.
- Provide rapid response to request for outbreak and disease information.
- Provide IT related consulting and assistance in support of epidemiological studies and public health related IT systems.
- Integrate health data with other data types to provide robust data sets.
- Conduct data quality analysis and evaluation, determine potential data cleaning rules, and solutions.
- Prepare raw health data for epidemiologic analysis.

Why should I apply?

This internship provides the opportunity to independently utilize your skills and engage with experts in innovative ideas to move the proposed research forward. There are multiple opportunities available to engage in your applied research and evaluation interests.

Where will I be located? Portsmouth, Virginia

What is the anticipated start date?

NMCPHC is ready to make an appointment immediately. Exact start date will be determined at the time of selection and in coordination with the selected candidate.

What is the length of the appointment?

This ORISE appointment is full-time twelve month duration. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

What are the benefits?

You will receive a stipend to be determined by NMCPHC. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

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- Health Insurance Supplement. Participants are eligible to purchase health insurance through ORISE.
- Relocation Allowance
- Training and Travel Allowance

Nature of Appointment

You will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, you will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications Knowledge of languages and practices needed to develop web pages and to convert user-developed content into workable Web pages, create easily navigable Web pages and basic scripts or code, evaluate code and repair errors, and builds or support Web-enabled database applications.

Ability to create Internet and desktop based applications that enhance user-developed content and meet business and technical requirements and deliver e-commerce and e-Government products and services to internal and external audiences. Provide Internet services that optimize customer experiences and ensure Internet services comply with the Americans with Disabilities Act and other related requirements.

Ability to support web related activities and develop web applications and web portals.

Experience with Interactive HTML, JavaScript, C#, Microsoft.net 4.5 or higher, and CSS.

Experience with T-SQL and SQL Server 2012 or higher.

Experience with Windows Server 2012 or higher.

Experience with Internet Information Services (IIS) 7.5 or higher.

CompTIA Security+ certification

U.S Citizenship is required, must be able to pass a background investigation.

A complete application consists of:

- Zintellect profile
- Educational and Employment History
- Essay Questions - The application includes questions specific to the opportunity
- Academic Records - For this opportunity, an official transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted.
- Current Resume/CV
- One (1) Recommendation - Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommender(s) as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and

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describe how they know you. You can always log back in to your Zintellect account and check the status of your application. The status will go from Started to Submitted and then to Completed once the required recommendations have been received.

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system. All documents must be in English or include an official English translation. If you have questions, send an email to navy@orise.orau.gov. Please list the reference code of this opportunity in the subject line of the email. Please understand that ORISE does not review applications or select applicants; selections are made by the sponsoring agency identified on this opportunity. All application materials should be submitted via the "Apply" button at the bottom of this opportunity listing. Please do not send application materials to the email address above.

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Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree received within the last 60 months or anticipated to be received by 12/31/2022 12:00:00 AM.
- **Overall GPA:** 2.50
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (17 👁)
  - **Engineering** (1 👁)
- **Age:** Must be 18 years of age